

SEQUENCE LISTING

<110> Seikagaku Corporation

<120> Catalyst for cleaving sugar chain

<130> Q90646

<140> US 10/551,550

<141> 2005-09-30

<150> PCT/JP2004/004695

<151> 2004-03-31

<150> JP 2003-097301

<151> 2003-03-31

<150> JP 2003-113965

<151> 2003-04-18

<160> 2

<170> PatentIn version 3.1

<210> 1

<211> 1308

<212> DNA

<213> Homo sapiens

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<222> (1)..(1308)

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Asp Met Ala Gln Gly Phe Arg Gly Pro Leu Leu Pro Asn Arg Pro Phe
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acc acc gtc tgg aat gca aac acc cag tgg tgc ctg gag agg cac ggt      144
Thr Thr Val Trp Asn Ala Asn Thr Gln Trp Cys Leu Glu Arg His Gly
35          40          45
gtg gac gtg gat gtc agt gtc ttc gat gtg gta gcc aac cca ggg cag      192
Val Asp Val Asp Val Ser Val Phe Asp Val Val Ala Asn Pro Gly Gln
50          55          60
acc ttc cgc ggc cct gac atg aca att ttc tat agc tcc cag ctg ggc      240
Thr Phe Arg Gly Pro Asp Met Thr Ile Phe Tyr Ser Ser Gln Leu Gly
65          70          75          80
acc tac ccc tac tac acg ccc act ggg gag cct gtg ttt ggt ggt ctg      288
Thr Tyr Pro Tyr Tyr Thr Pro Thr Gly Glu Pro Val Phe Gly Gly Leu
85          90          95
ccc cag aat gcc agc ctg att gcc cac ctg gcc cgc aca ttc cag gac      336
Pro Gln Asn Ala Ser Leu Ile Ala His Leu Ala Arg Thr Phe Gln Asp
100         105         110
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Ile Leu Ala Ala Ile Pro Ala Pro Asp Phe Ser Gly Leu Ala Val Ile

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gac att tac cgg cag cgc tca cgg gca ctg gta cag gca cag cac cct						480
Asp Ile Tyr Arg Gln Arg Ser Arg Ala Leu Val Gln Ala Gln His Pro						
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gat tgg cca gct cct cag gtg gag gca gta gcc cag gac cag ttc cag						528
Asp Trp Pro Ala Pro Gln Val Glu Ala Val Ala Gln Asp Gln Phe Gln						
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gga gct gca cgg gcc tgg atg gca ggc acc ctc cag ctg ggg cgg gca						576
Gly Ala Ala Arg Ala Trp Met Ala Gly Thr Leu Gln Leu Gly Arg Ala						
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ctg cgt cct cgc ggc ctc tgg ggc ttc tat ggc ttc cct gac tgc tac						624
Leu Arg Pro Arg Gly Leu Trp Gly Phe Tyr Gly Phe Pro Asp Cys Tyr						
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aac tat gac ttt cta agc ccc aac tac acc ggc cag tgc cca tca ggc						672
Asn Tyr Asp Phe Leu Ser Pro Asn Tyr Thr Gly Gln Cys Pro Ser Gly						
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Ile Arg Ala Gln Asn Asp Gln Leu Gly Trp Leu Trp Gly Gln Ser Arg						
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gcc ctc tat ccc agc atc tac atg ccc gca gtg ctg gag ggc aca ggc						768
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aag tca cag atg tat gtg caa cac cgt gtg gcc gag gca ttc cgt gtg						816
Lys Ser Gln Met Tyr Val Gln His Arg Val Ala Glu Ala Phe Arg Val						
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gct gtg gct gct ggt gac ccc aat ctg ccg gtg ctg ccc tat gtc cag						864
Ala Val Ala Ala Gly Asp Pro Asn Leu Pro Val Leu Pro Tyr Val Gln						
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Ile Phe Tyr Asp Thr Thr Asn His Phe Leu Pro Leu Asp Glu Leu Glu						
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His Ser Leu Gly Glu Ser Ala Ala Gln Gly Ala Ala Gly Val Val Leu						
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Trp Val Ser Trp Glu Asn Thr Arg Thr Lys Glu Ser Cys Gln Ala Ile						
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aag gag tat atg gac act aca ctg ggg ccc ttc atc ctg aac gtg acc						1056
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Cys Val Arg Arg Thr Ser His Pro Lys Ala Leu Leu Leu Asn Pro						
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gcc agt ttc tcc atc cag ctc acg cct ggt ggt ggg ccc ctg agc ctg						1200
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cgg ggt gcc ctc tca ctt gaa gat cag gca cag atg gct gtg gag ttc						1248
Arg Gly Ala Leu Ser Leu Glu Asp Gln Ala Gln Met Ala Val Glu Phe						
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aaa tgt cga tgc tac cct ggc tgg cag gca ccg tgg tgt gag cgg aag						1296

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1308

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 Thr Phe Arg Gly Pro Asp Met Thr Ile Phe Tyr Ser Ser Gln Leu Gly
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 Thr Tyr Pro Tyr Tyr Thr Pro Thr Gly Glu Pro Val Phe Gly Gly Leu
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 Pro Gln Asn Ala Ser Leu Ile Ala His Leu Ala Arg Thr Phe Gln Asp
 100 105 110
 Ile Leu Ala Ala Ile Pro Ala Pro Asp Phe Ser Gly Leu Ala Val Ile
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 Asp Trp Pro Ala Pro Gln Val Glu Ala Val Ala Gln Asp Gln Phe Gln
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 Gly Ala Ala Arg Ala Trp Met Ala Gly Thr Leu Gln Leu Gly Arg Ala
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 195 200 205
 Asn Tyr Asp Phe Leu Ser Pro Asn Tyr Thr Gly Gln Cys Pro Ser Gly
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 Ile Arg Ala Gln Asn Asp Gln Leu Gly Trp Leu Trp Gly Gln Ser Arg
 225 230 235 240
 Ala Leu Tyr Pro Ser Ile Tyr Met Pro Ala Val Leu Glu Gly Thr Gly
 245 250 255
 Lys Ser Gln Met Tyr Val Gln His Arg Val Ala Glu Ala Phe Arg Val
 260 265 270
 Ala Val Ala Ala Gly Asp Pro Asn Leu Pro Val Leu Pro Tyr Val Gln
 275 280 285
 Ile Phe Tyr Asp Thr Thr Asn His Phe Leu Pro Leu Asp Glu Leu Glu
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 His Ser Leu Gly Glu Ser Ala Ala Gln Gly Ala Ala Gly Val Val Leu
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Lys	Cys	Arg	Cys	Tyr	Pro	Gly	Trp	Gln	Ala	Pro	Trp	Cys	Glu	Arg	Lys		
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Ser	Met	Trp															
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